BRUHATH BENGALURU MAHANAGARA PALIKE

BYTARAYANAPURA DIVISION, BANGALORE

EMB

1st & Final Bill

Name of Work: - Construction of RCC Culverts at Right Side Cross Roads of 1st Main Road Kuvempu Nagara in Ward No.05

Estimated Cost:- 78.00 Lakhs

Job Code: - 005-20-000083

Work Order: - BBMP/EE/BTP/WO/245/19-20, Dated: 21.03.2020

AS No: - EE(BTP)/AS/111/19-20, Dated:-16.03.2020

TS No: - SE(YNK)/TS/50/19-20, Dated: - 16.03.2020

Name of the Contractor: - M/s KRIDL

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BRUHATH BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

1ST AND FINAL BILL

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TS No: - SE(YNK)/TS/50/19-20, Dated: - 16.03.2020

Name of the Contractor: - M/s KRIDL

Item No	Description of Item	No	L	B	D1	D2	D(avg)	Unit	Qty	Rate in Rs	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification										
	Qty Taken from Pre measurement page Item No. 1 page No. 1 & 2							Cum	954.27	207.60	198106.45
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs. with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.										
	Qty Taken from Pre measurement page Item No. 2 Page No. 2 to 4							Cum	142.49	5509.33	785004.68
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm										
	For Raft Concrete										
	For RCC Drain										
	Sapthagiri Layout										
	Cross Road-1										
	RHS										
		1	28.20	0.90	0.15	0.16	0.16		3.93		
		1	27.80	0.95	0.16	0.14	0.15		3.96		
		1	15.30	0.90	0.14	0.16	0.15		2.07		
	LHS										
		1	9.00	0.90	0.15	0.15	0.15		1.22		
		1	30.00	0.95	0.15	0.16	0.16		4.42		
		1	30.00	0.95	0.16	0.14	0.15		4.28		
		1	10.50	0.90	0.15	0.16	0.16		1.46		
	Cross Road-2										
	RHS										
		1	9.00	0.90	0.15	0.16	0.16		1.26		
		1	30.00	0.95	0.16	0.14	0.15		4.28		
		1	16.10	0.90	0.14	0.16	0.15		2.17		
		1	18.00	0.90	0.16	0.15	0.16		2.51		
	LHS										
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.90	0.15	0.16	0.16		4.19		
		1	4.50	0.90	0.16	0.14	0.15		0.61		
		1	18.00	0.90	0.14	0.16	0.15		2.43		
	Cross Road-3										
	RHS										
		1	30.00	0.90	0.15	0.15	0.15		4.05		
		1	30.00	0.95	0.15	0.16	0.16		4.42		
		1	4.00	0.90	0.16	0.14	0.15		0.54		

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LHS									
	1	30.00	0.95	0.15	0.15	0.15		4.28	
	1	30.00	0.90	0.15	0.17	0.16		4.32	
	1	4.00	0.90	0.17	0.14	0.16		0.56	
Cross Road-4									
RHS									
	1	30.00	0.90	0.15	0.15	0.15		4.05	
	1	30.00	0.90	0.15	0.16	0.16		4.19	
	1	26.50	0.90	0.16	0.14	0.15		3.58	
LHS									
	1	30.00	0.90	0.15	0.15	0.15		4.05	
	1	30.00	0.95	0.15	0.15	0.15		4.28	
	1	4.50	0.90	0.15	0.16	0.16		0.63	
Cross Road-5									
RHS									
	1	4.60	0.90	0.15	0.15	0.15		0.62	
	1	17.80	0.95	0.15	0.16	0.16		2.62	
	1	17.00	0.95	0.16	0.14	0.15		2.42	
	1	21.60	0.95	0.14	0.15	0.15		2.98	
	1	27.50	0.90	0.15	0.15	0.15		3.71	
LHS									
	1	30.00	0.95	0.15	0.15	0.15		4.28	
	1	30.00	0.95	0.15	0.15	0.15		4.28	
	1	10.30	0.90	0.15	0.15	0.15		1.39	
	1	13.00	0.90	0.15	0.15	0.15		1.76	
	1	23.50	0.95	0.15	0.15	0.15		3.35	
Kuvempunagara 4th B Cross									
LHS									
	1	30.00	0.95	0.15	0.15	0.15		4.28	
	1	11.00	0.90	0.15	0.15	0.15		1.49	
For RCC Culvert									
Sapthagiri Layout									
For Culvert Bed Concrete									
Cross Road -1, Culvert - 1	1	6.20	1.50	0.20	0.20	0.20		1.86	
Cross Road -1, Culvert - 2	1	6.20	1.50	0.20	0.20	0.20		1.86	
Cross Road -2, Culvert - 3	1	6.80	1.50	0.20	0.20	0.20		2.04	
Cross Road -3, Culvert - 4	1	6.00	1.50	0.20	0.20	0.20		1.80	
For Side Wall									
For RCC Drain									
Sapthagiri Layout									
Cross Road-1									
RHS									
	2	28.20	0.15	0.68	0.72	0.70		5.92	
	2	27.80	0.15	0.72	0.70	0.71		5.92	
	2	15.30	0.15	0.70	0.68	0.69		3.17	
LHS									
	2	9.00	0.15	0.69	0.71	0.70		1.89	
	2	30.00	0.15	0.71	0.67	0.69		6.21	
	2	30.00	0.15	0.67	0.73	0.70		6.30	
	2	10.50	0.15	0.70	0.70	0.70		2.21	
Cross Road-2									
RHS									
	2	9.00	0.15	0.66	0.74	0.70		1.89	
	2	30.00	0.15	0.74	0.68	0.71		6.39	
	2	16.10	0.15	0.68	0.72	0.70		3.38	
	2	18.00	0.15	0.72	0.66	0.69		3.73	
LHS									
	2	30.00	0.15	0.68	0.70	0.69		6.21	
	2	30.00	0.15	0.70	0.70	0.70		6.30	

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	2	4.50	0.15	0.70	0.68	0.69		0.93		
	2	18.00	0.15	0.68	0.72	0.70		3.78		
Cross Road-3										
RHS										
	2	30.00	0.15	0.68	0.70	0.69		6.21		
	2	30.00	0.15	0.70	0.72	0.71		6.39		
	2	4.00	0.15	0.72	0.68	0.70		0.84		
LHS										
	2	30.00	0.15	0.66	0.72	0.69		6.21		
	2	30.00	0.15	0.72	0.70	0.71		6.39		
	2	4.00	0.15	0.70	0.70	0.70		0.84		
Cross Road-4										
RHS										
	2	30.00	0.15	0.67	0.73	0.70		6.30		
	2	30.00	0.15	0.73	0.69	0.71		6.39		
	2	26.50	0.15	0.69	0.69	0.69		5.49		
LHS										
	2	30.00	0.15	0.68	0.72	0.70		6.30		
	2	30.00	0.15	0.72	0.68	0.70		6.30		
	2	4.50	0.15	0.70	0.66	0.68		0.92		
Cross Road-5										
RHS										
	2	4.60	0.15	0.67	0.73	0.70		0.97		
	2	17.80	0.15	0.73	0.67	0.70		3.74		
	2	17.00	0.15	0.65	0.75	0.70		3.57		
	2	21.60	0.15	0.70	0.70	0.70		4.54		
	2	27.50	0.15	0.69	0.67	0.68		5.61		
LHS										
	2	30.00	0.15	0.68	0.72	0.70		6.30		
	2	30.00	0.15	0.72	0.70	0.71		6.39		
	2	10.30	0.15	0.70	0.70	0.70		2.16		
	2	13.00	0.15	0.70	0.68	0.69		2.69		
	2	23.50	0.15	0.68	0.70	0.69		4.86		
Kuvempunagara 4th B Cross										
LHS										
	2	30.00	0.15	0.69	0.71	0.70		6.30		
	2	11.00	0.15	0.68	0.70	0.69		2.28		
For RCC Culvert										
Sapthagiri Layout										
For Side Wall										
Cross Road -1, Culvert - 1	2	6.20	0.45	0.65	0.65	0.65		3.63		
Cross Road -1, Culvert - 2	2	6.20	0.45	0.65	0.65	0.65		3.63		
Cross Road -2, Culvert - 3	2	6.80	0.45	0.90	0.90	0.90		5.51		
Cross Road -3, Culvert - 4	2	6.00	0.45	0.63	0.63	0.63		3.38		
For RCC Culvert										
Sapthagiri Layout										
For Culvert Ramp										
Cross Road -1, Culvert - 1	2	6.20	0.75	0.20	0.10	0.15		1.40		
Cross Road -1, Culvert - 2	2	6.20	0.75	0.20	0.10	0.15		1.40		
Cross Road -2, Culvert - 3	2	6.80	0.90	0.20	0.10	0.15		1.84		
Cross Road -3, Culvert - 4	2	6.00	0.75	0.20	0.10	0.15		1.35		
							Present Qty=	**Cum**	**317.00**	**7189.42**	**2279075.05**

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	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications										
	Qty Taken from Pre measurement page Item No. 4 Page No. 4 to 7								Tonne	20.91	72326.98	1512279.04
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)											
	For RCC Drain											
	Sapthagiri Layout											
	Cross Road-1											
	RHS											
		1	28.20	0.90						25.38		
		1	27.80	0.90						25.02		
		1	15.30	0.90						13.77		
	LHS											
		1	9.00	0.90						8.10		
		1	30.00	0.90						27.00		
		1	30.00	0.90						27.00		
		1	10.50	0.90						9.45		
	Cross Road-2											
	RHS											
		1	9.00	0.90						8.10		
		1	30.00	0.90						27.00		
		1	16.10	0.90						14.49		
		1	18.00	0.90						16.20		
	LHS											
		1	30.00	0.90						27.00		
		1	30.00	0.90						27.00		
		1	4.50	0.90						4.05		
		1	18.00	0.90						16.20		
	Cross Road-3											
	RHS											
		1	30.00	0.90						27.00		
		1	30.00	0.90						27.00		
		1	4.00	0.90						3.60		
	LHS											
		1	30.00	0.90						27.00		
		1	30.00	0.90						27.00		
		1	4.00	0.90						3.60		
	Cross Road-4											
	RHS											
		1	30.00	0.90						27.00		
		1	30.00	0.90						27.00		
		1	26.50	0.90						23.85		
	LHS											
		1	30.00	0.90						27.00		
		1	30.00	0.90						27.00		
		1	4.50	0.90						4.05		
	Cross Road-5											
	RHS											
		1	4.60	0.90						4.14		
		1	17.80	0.90						16.02		
		1	17.00	0.90						15.30		
		1	21.60	0.90						19.44		
		1	27.50	0.90						24.75		
	LHS											
		1	30.00	0.90						27.00		
		1	30.00	0.90						27.00		
		1	10.30	0.90						9.27		
		1	13.00	0.90						11.70		
		1	23.50	0.90						21.15		

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	Kuvempunagara 4th B Cross										
	LHS										
		1	30.00	0.90					27.00		
		1	11.00	0.90					9.90		
	Missing Slabs	1	10.00	0.90					9.00		
								Present Qty=	Sqm	748.53	2337.00	1749314.61
6	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate)										
	For RCC Culverts										
	Sapthagiri Layout										
	Cross Road -1, Culvert - 1	1	6.20	1.50					9.30		
	Cross Road -1, Culvert - 2	1	6.20	1.50					9.30		
	Cross Road -2, Culvert - 3	1	6.80	1.50					10.20		
	Cross Road -3, Culvert - 5	1	6.00	1.50					9.00		
								Present Qty=		37.80		
							Limited to Qty=		Sqm	35.22	5418.00	190821.96
											Total	6714601.78
											GST Charges 12%	805752.21
											KRIDL Charges 4%	268584.07
											Grand Total	7788938.07

Assistant Engineer
Assistant Executive Engineer
Vijayanarayanapura Sub-Division

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Name of Work: Construction of RCC Culverts at Right Side Cross Roads of 1st Main Road of 1st Main Road Kuvempu Nagara in Ward No.05

Pre Measurements

Pre measurement recorded on:

Item No	Description of Item	No	L	B	D	Qty
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification					
	For RCC Drain					
	Sapthagiri Layout					
	Cross Road-1					
	RHS					
		1	28.20	1.10	1.00	31.02
		1	27.80	1.10	1.00	30.58
		1	15.30	1.10	1.00	16.83
	LHS					
		1	9.00	1.10	1.00	9.90
		1	30.00	1.10	1.00	33.00
		1	30.00	1.10	1.00	33.00
		1	10.50	1.10	1.00	11.55
	Cross Road-2					
	RHS					
		1	9.00	1.10	1.00	9.90
		1	30.00	1.10	1.00	33.00
		1	16.10	1.10	1.00	17.71
		1	18.00	1.10	1.00	19.80
	LHS					
		1	30.00	1.10	1.00	33.00
		1	30.00	1.10	1.00	33.00
		1	4.50	1.10	1.00	4.95
		1	18.00	1.10	1.00	19.80
	Cross Road-3					
	RHS					
		1	30.00	1.10	1.00	33.00
		1	30.00	1.10	1.00	33.00
		1	4.00	1.10	1.00	4.40
	LHS					
		1	30.00	1.10	1.00	33.00
		1	30.00	1.10	1.00	33.00
		1	4.00	1.10	1.00	4.40
	Cross Road-4					
	RHS					
		1	30.00	1.10	1.00	33.00

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Item No	Description of Item	No	L	B	D	Qty
		1	30.00	1.10	1.00	33.00
		1	26.50	1.10	1.00	29.15
	LHS					
		1	30.00	1.10	1.00	33.00
		1	30.00	1.10	1.00	33.00
		1	4.50	1.10	1.00	4.95
	Cross Road-5					
	RHS					
		1	4.60	1.10	1.00	5.06
		1	17.80	1.10	1.00	19.58
		1	17.00	1.10	1.00	18.70
		1	21.60	1.10	1.00	23.76
		1	27.50	1.10	1.00	30.25
	LHS					
		1	30.00	1.10	1.00	33.00
		1	30.00	1.10	1.00	33.00
		1	10.30	1.10	1.00	11.33
		1	13.00	1.10	1.00	14.30
		1	23.50	1.10	1.00	25.85
	Kuvempunagara 4th B Cross					
	LHS					
		1	30.00	1.10	1.00	33.00
		1	11.00	1.10	1.00	12.10
	For RCC Culverts					
	Cross Road -1, Culvert - 1	1	6.20	2.00	1.00	12.40
	Cross Road -1, Culvert - 2	1	6.20	2.00	1.00	12.40
	Cross Road -2, Culvert - 3	1	6.80	2.00	1.00	13.60
	Cross Road -3, Culvert - 4	1	6.00	2.00	1.00	12.00
					Present Qty=	**954.27**

Assistant Engineer
Ward No.05

Assistant Executive Engineer
Bytarayanapura Sub-Division

2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.					
	For RCC Drain					
	Sapthagiri Layout					
	Cross Road-1					
	RHS					
		1	28.20	1.10	0.15	4.65
		1	27.80	1.10	0.15	4.59

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Item No	Description of Item	No	L	B	D	Qty
		1	15.30	1.10	0.15	2.52
	LHS					
		1	9.00	1.10	0.15	1.49
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	10.50	1.10	0.15	1.73
	Cross Road-2					
	RHS					
		1	9.00	1.10	0.15	1.49
		1	30.00	1.10	0.15	4.95
		1	16.10	1.10	0.15	2.66
		1	18.00	1.10	0.15	2.97
	LHS					
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	4.50	1.10	0.15	0.74
		1	18.00	1.10	0.15	2.97
	Cross Road-3					
	RHS					
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	4.00	1.10	0.15	0.66
	LHS					
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	4.00	1.10	0.15	0.66
	Cross Road-4					
	RHS					
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	26.50	1.10	0.15	4.37
	LHS					
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95
		1	4.50	1.10	0.15	0.74
	Cross Road-5					
	RHS					
		1	4.60	1.10	0.15	0.76
		1	17.80	1.10	0.15	2.94
		1	17.00	1.10	0.15	2.81
		1	21.60	1.10	0.15	3.56
		1	27.50	1.10	0.15	4.54
	LHS					
		1	30.00	1.10	0.15	4.95
		1	30.00	1.10	0.15	4.95

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Sl No	Description of Item	No	L	B	D	Qty
		1	10.30	1.10	0.15	1.70
		1	13.00	1.10	0.15	2.15
		1	23.50	1.10	0.15	3.88
	Kuvempunagara 4th B Cross					
	LHS					
		1	30.00	1.10	0.15	4.95
		1	11.00	1.10	0.15	1.82
	For RCC Culverts					
	Cross Road -1, Culvert - 1	1	6.20	1.80	0.15	1.67
	Cross Road -1, Culvert - 2	1	6.20	1.80	0.15	1.67
	Cross Road -2, Culvert - 3	1	6.80	1.90	0.15	1.94
	Cross Road -3, Culvert - 4	1	6.00	1.80	0.15	1.62
			Present Qty=		**Cum**	**142.49**

7/4/20

Assistant Engineer
Ward No.05

Assistant Executive Engineer
Bytarayanapura Sub-Division

4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications					
a	**Sapthagiri Layout**					
	For RCC Drain					
	Cross Road-1					
	RHS					
	Total length of drain = 71.30 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	572	2.30	0.62	815.67
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	71.30	0.62	839.91
	Cross Road-1					
	LHS					
	Total length of drain = 79.50 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	638	2.30	0.62	909.79
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	79.50	0.62	936.51

8/5/20

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No	Description of Item	No	L	B	D	Qty
	Cross Road-2					
	RHS					
	Total length of drain = 73.10 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	587	2.30	0.62	837.06
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	73.10	0.62	861.12
	Cross Road-2					
	LHS					
	Total length of drain = 82.50 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	662	2.30	0.62	944.01
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	82.50	0.62	971.85
	Cross Road-3					
	RHS					
	Total length of drain = 64.00 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	514	2.30	0.62	732.96
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	64.00	0.62	753.92
	Cross Road-3					
	LHS					
	Total length of drain = 64.00 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	514	2.30	0.62	732.96
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	64.00	0.62	753.92
	Cross Road-4					
	RHS					
	Total length of drain =86.50Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	694	2.30	0.62	989.64

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Item No	Description of Item	No	L	B	D	Qty
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	86.50	0.62	1018.97
	Cross Road-4					
	LHS					
	Total length of drain = 64.50 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	518	2.30	0.62	738.67
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	64.50	0.62	759.81
	Cross Road-5					
	RHS					
	Total length of drain = 88.50 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	710	2.30	0.62	1012.46
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	88.50	0.62	1042.53
	Cross Road-5					
	LHS					
	Total length of drain = 106.80 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	856	2.30	0.62	1220.66
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	106.80	0.62	1258.10
	Kuvempunagara 4th B Cross					
	LHS					
	Total length of drain = 41.00 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	330	2.30	0.62	470.58
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	1	19	41.00	0.62	482.98
2	**For RCC Culvert**					
	Cross Road -1, Culvert - 2					
	Total length of Culvert = 6.20 Mtr					
	Main Bars 12mm dia@.125mm c/c, Double Mat					

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Ref No	Description of Item	No	L	B	D	Qty
	0.89kg/mtr	2	58	2.50	0.89	258.10
	Distrubution Bars 10mm dia@.125mm c/c, Double Mat					
	0.62kg/mtr	2	23	6.20	0.62	176.82
	Cross Road -1, Culvert - 2					
	Total length of Culvert = 6.20 Mtr					
	Main Bars 12mm dia@.125mm c/c, Double Mat					
	0.89kg/mtr	2	58	2.50	0.89	258.10
	Distrubution Bars 10mm dia@.125mm c/c, Double Mat					
	0.62kg/mtr	2	23	6.20	0.62	176.82
	Cross Road -2, Culvert - 3					
	Total length of Culvert = 6.80 Mtr					
	Main Bars 12mm dia@.125mm c/c, Double Mat					
	0.89kg/mtr	2	58	3.00	0.89	309.72
	Distrubution Bars 10mm dia@.125mm c/c, Double Mat					
	0.62kg/mtr	2	26	6.80	0.62	219.23
	Cross Road -3, Culvert - 4					
	Total length of Culvert = 6.00 Mtr					
	Main Bars 12mm dia@.125mm c/c, Double Mat					
	0.89kg/mtr	2	56	2.50	0.89	249.20
	Main Bars 12mm dia@.125mm c/c, Double Mat					
	0.62kg/mtr	2	23	6.20	0.62	176.82
						20908.92
		Present Qty=		**Tonne**		**20.91**

24/5/20

Assistant Engineer
Ward No.05
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

23/5/2020

Assistant Executive Engineer
Bytarayanapura Sub-Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-24

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